AMENDMENTS TO THE CLAIMS

Please replace the current listing of the Claims with those currently of record.

1. (Currently Amended) A universal polypeptidic carrier for targeting directly or indirectly a molecule to Gb3 receptor expressing cells and having the following formula STxB-Z(n)-Cys, wherein :

STxB is the Shiga Toxin B subunit or a functional equivalent thereof,

Z is an amino-acid devoid of a sulfhydryl group, n being 0, 1 or a polypeptide,

Cys is the amino-acid Cysteine, wherein said molecule is an antigen to be targeted to antigen presenting cells.

2. (Previously Presented) The universal carrier according to claim 1 wherein n is 0.

3. (Cancelled)

4. (Previously Presented) The universal carrier according to claim 1 or 2 wherein the molecule is covalently linked to the –S residue of the universal carrier by a –S–S–, a –S–CO–, a –S–CH_2–. or a –S–NH– linkage.

5. (Cancelled)

6. (Previously Presented) The universal carrier according to claim 1 or 2 wherein the universal carrier is covalently linked to an oligopeptide or a polypeptide by a –S–S–, or a –S–CO–, or a –S–CH_2– or a –S–NH linkage, and the molecule to be targeted is operably linked to said oligopeptide or polypeptide.

7. (Previously Presented) The universal carrier according to claim 6 wherein the universal carrier is covalently linked to a poly-lysine oligopeptide and the molecule to be targeted is nucleic acid or an oligo-nucleotide operably linked to the said poly-lysine moiety.

8. (Previously Presented) The universal carrier according to claim 4 wherein the molecule is a cytotoxic drug or a pro-drug to be targeted to tumor cells expressing Gb3 receptors.

9. - 24 (Cancelled)

25. (Previously Presented) A universal carrier for targeting directly or indirectly a molecule to Gb3 receptor expressing cells and having the following formula STxB-Z(n)-Cys, wherein :

STxB is the Shiga Toxin B subunit or a functional equivalent thereof,

Z is an amino acid devoid of a sulfhydryl group, n being 0, 1 or a polypeptide,

Cys is the amino acid Cysteine, wherein said molecule is selected from the group of proteins, glycoproteins, nucleic acids encoding proteins and a combination thereof.

26. (Previously Presented) A universal polypeptidic carrier for targeting directly or indirectly a molecule to Gb3 receptor expressing cells and having the following formula STxB-Z(n)-Cys, wherein :

STxB is the Shiga Toxin B subunit,

Z is an amino acid devoid of a sulfhydryl group, n being 0, 1 or a polypeptide,

Cys is the amino acid Cysteine, wherein said molecule is selected from the group of proteins, glycoproteins, nucleic acids encoding proteins and a combination thereof.

27. (Previously Presented) A universal polypeptidic carrier for targeting directly or indirectly a molecule to Gb3 receptor expressing cells and having the following sequence:

COOH-
MKKTLLIAASLSFFSASALATPDCVTGKVEYTKYNDDDTFTVKVGDKELFTNRWNLQS
LLLSAQITGMTVTIKTNACHNGGGFSEVIFRC-NH_2 (SEQ ID No; 1).

28. (Previously Presented) A universal polypeptidic carrier for targeting directly or indirectly a molecule to Gb3 receptor expressing cells and having the following formula STxB-Z(n)-Cys, wherein :

STxB is the Shiga Toxin B subunit,

Z is an amino acid devoid of a sulfhydryl group, n being 0, 1 or a polypeptide,

Cys is the amino acid Cysteine, wherein said molecule is a cytotoxic drug or a pro-drug to be targeted to tumor cells expressing Gb3 receptors.

29. (New) A universal polypeptidic carrier for targeting directly or indirectly a molecule to Gb3 receptor expressing cells and having the following formula STxB-Z(n)-Cys, wherein :

STxB is the Shiga Toxin B subunit or a functional equivalent thereof,

Z is an amino-acid devoid of a sulfhydryl group, n being 0, 1 or a polypeptide,

Cys is the amino-acid Cysteine, wherein the molecule is selected from the group consisting of proteins, peptides, oligopeptides, glycoproteins, glycopeptides, nucleic acids, polynucleotides, and a combination thereof.